

ABSTRACT:

A driving system (1) for a separator having a centrifugal drum with a vertical axis of rotation, which has a vertically aligned driving spindle (2) for a centrifugal drum, which is not shown here and which is placed onto the driving spindle (2), the driving spindle (2) being disposed by means of an upper neck bearing (3) and a lower footstep bearing (4) particularly in an opening (14) of a drive housing (5), and the neck bearing being supported in axially rigid and radially resilient manner on the machine housing (5), is characterized in that the neck bearing (3) is constructed as an angular ball bearing, and that the neck bearing (3) supports the centrifugal drum in the downward direction on a spherical-surface-shaped supporting surface of the machine housing (2).

(Fig. 1)